

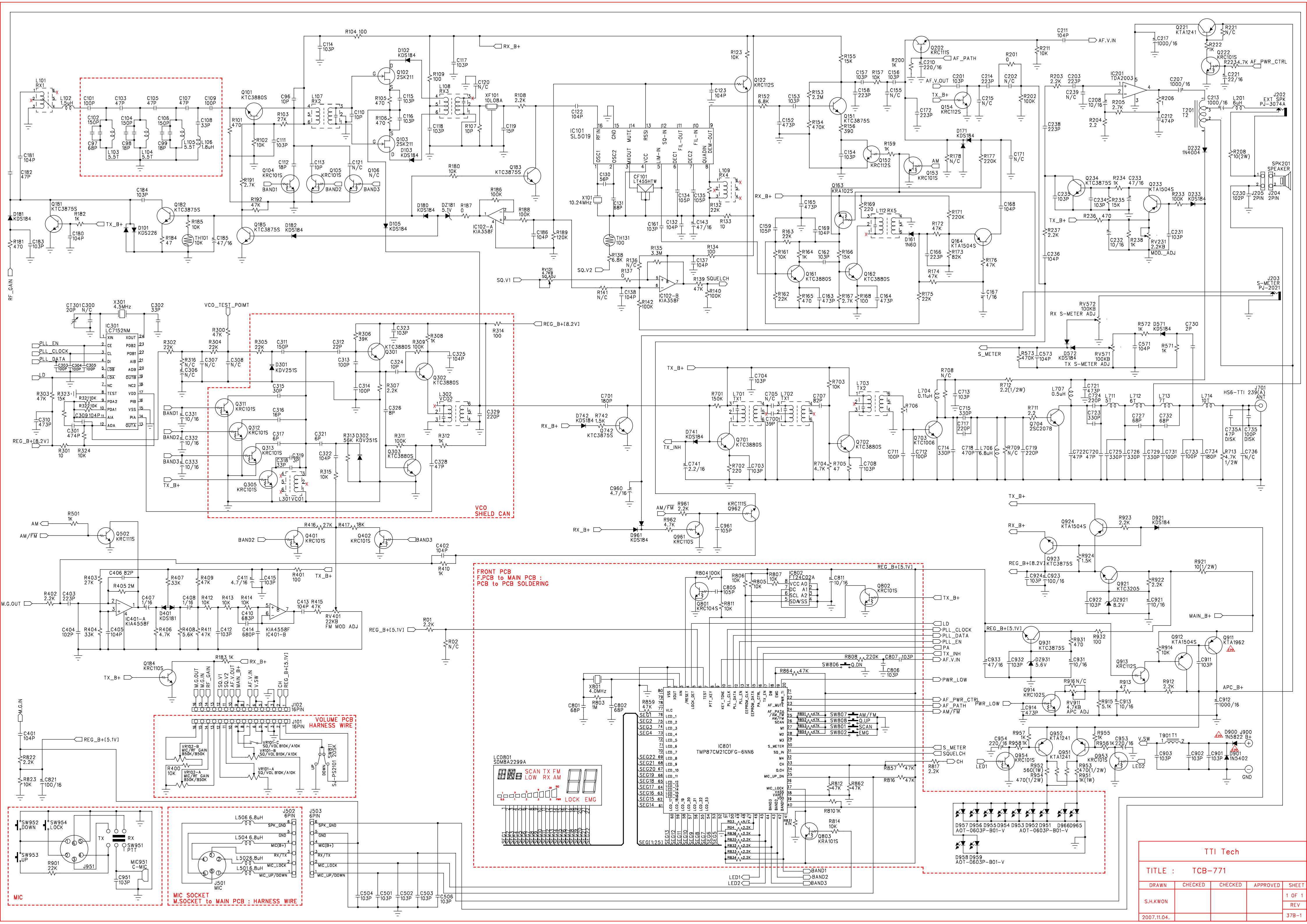


# SERVICE MANUAL

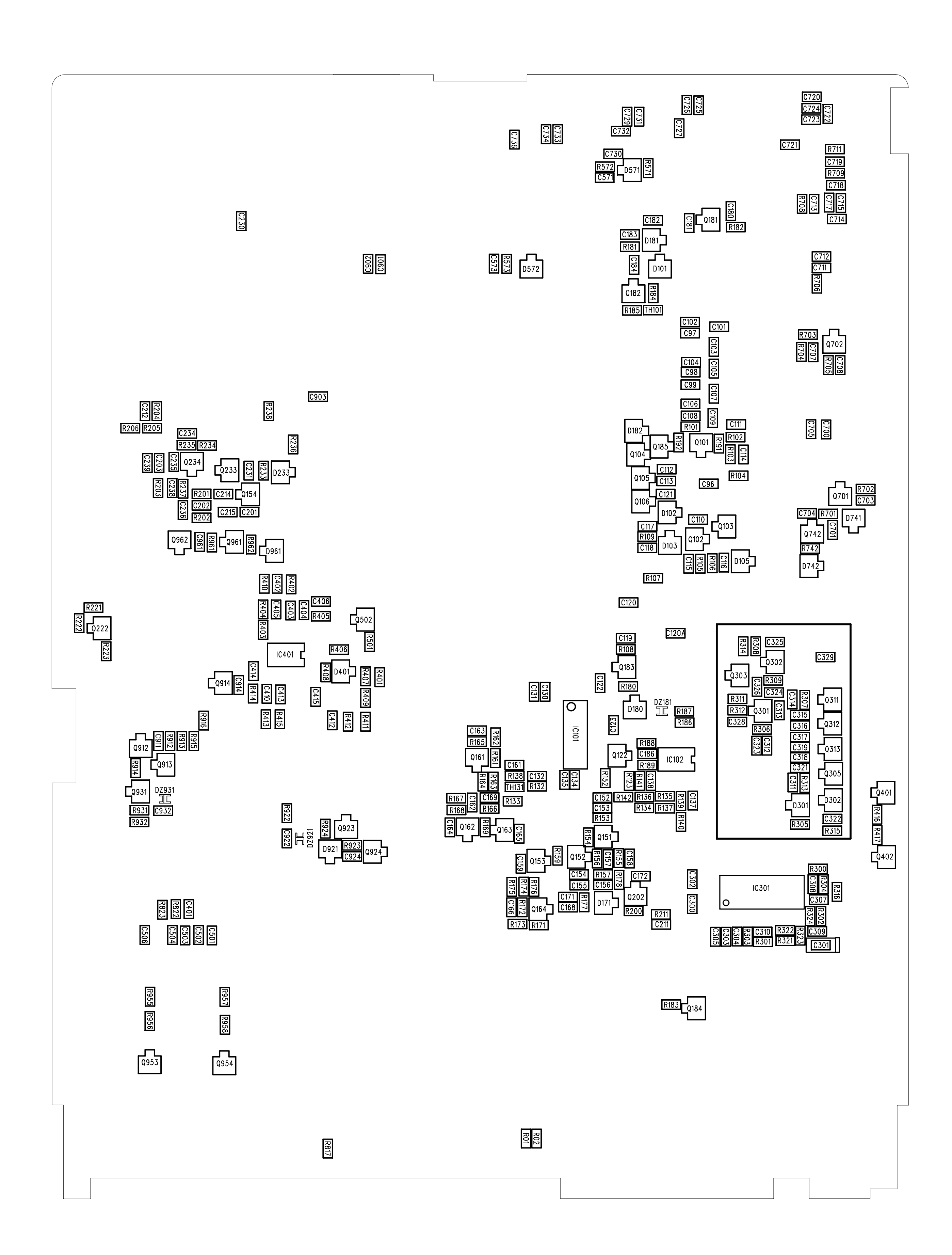
MULTI CHANNEL AM/FM TRANSCEIVER

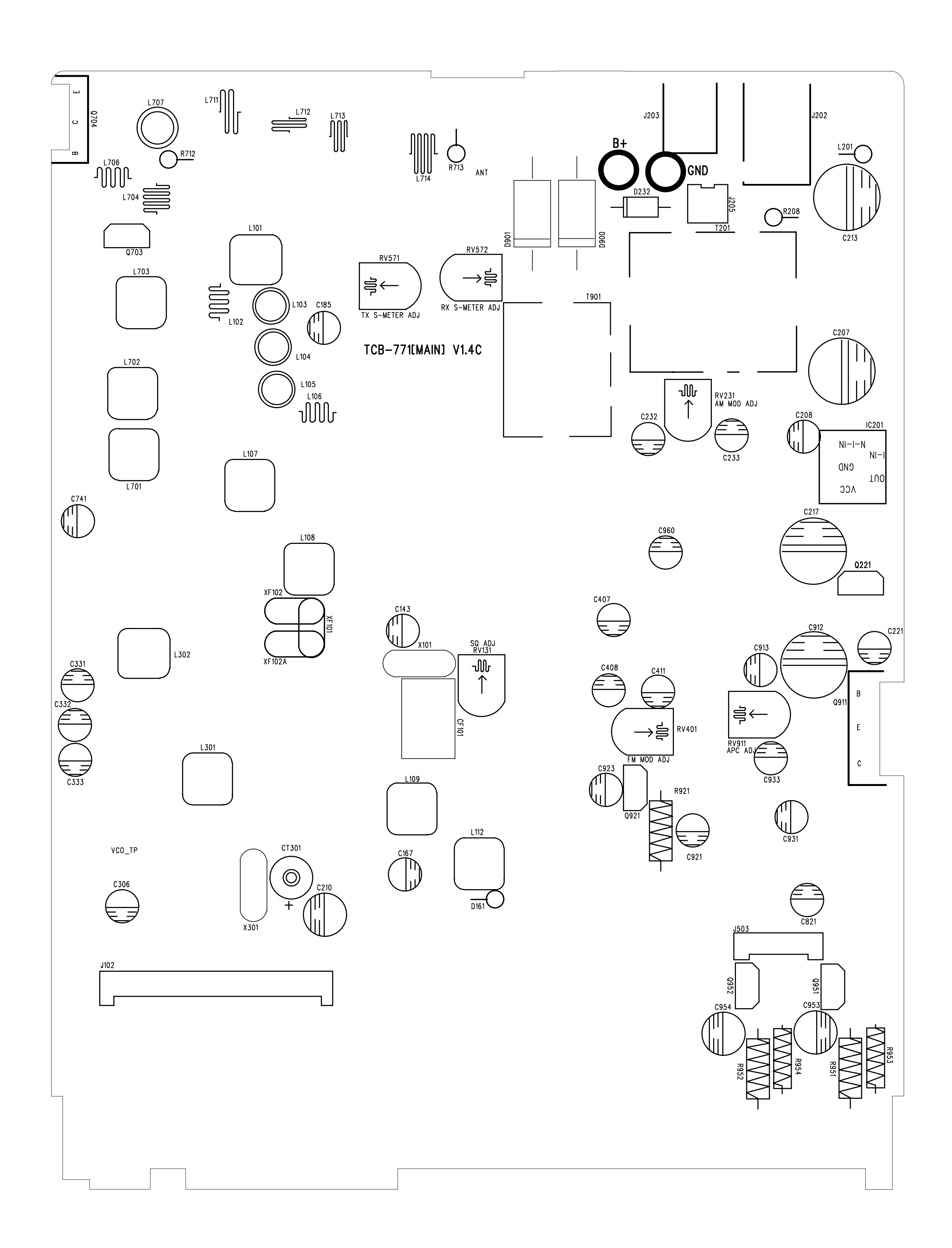
# TCB-771

TTI Tech



VCO
SHIELD CAN
FRONT PCB
F.PCB to MAIN PCB :
PCB to PCB SOLDERING
VOLUME PCB
HARNESS WIRE
MIC
MIC SOCKET
M.SOCKET to MAIN PCB : HARNESS WIRE
IC101
SL5019
IC201
TDA2003
IC301
LC7152NM
IC801
TMP87CM21CDFG-6NN6
IC802
FT24C02A
LCD801
SDMBA2299A
SCAN TX FM
LOW RX AM
LOCK EMG
X101
10.24MHz
X301
4.5MHz
X801
4.0MHz
XF101
10L08A
CF101
LT455HTW
RV401
22KB
FM MOD ADJ
RV131
4.7KB
SQ.ADJ
RV572
100KB
RX S-METER ADJ
RV571
100KB
TX S-METER ADJ
RV231
2.2KB
MOD. ADJ
RV911
4.7KB
APC ADJ
J202
EXT SPK
PJ-3074A
SPK201
SPEAKER
J203
S-METER
PJ-2021
J701
HS6-TTI 239(A)
ANT
J101
16PIN
J102
16PIN
J501
MIC
J502
6PIN
J503
6PIN
REG_B+[8.2V]
REG_B+[5.1V]
RX_B+
TX_B+
APC_B+
MAIN_B+
AF.V.IN
AF_PATH
AF_PWR_CTRL
PWR_LOW
S_METER
SQUELCH
PLL_EN
PLL_CLOCK
PLL_DATA
LD
TX_INH
M.G.OUT
M.G.IN
RF_GAIN
SQ.V1
SQ.V2
VCO_TEST_POIMT
BAND1
BAND2
BAND3
LED1
LED2
AM
AM/FM
CH
V.SW
GND
D900 J900
1N5822 B+
D901
1N5402
TTI Tech
TITLE : TCB-771
DRAWN
CHECKED
CHECKED
APPROVED
SHEET
S.H.KWON
1 OF 1
REV
2007.11.04.
37B-1




TCB-771[MAIN] V1.4C
B+
GND
J203
J202
L201
R208
C213
J205
T201
D232
D901
D900
ANT
R713
L714
L711
L712
L713
L707
R712
L706
L704
Q704
Q703
L703
L702
L701
L101
L102
L103
L104
L105
L106
L107
L108
C185
C741
RV571
TX S-METER ADJ
RV572
RX S-METER ADJ
T901
C207
RV231
AM MOD ADJ
C232
C233
C208
IC201
N-I-IN
I-IN
GND
OUT
VCC
C217
Q221
C960
C407
C408
C411
RV401
FM MOD ADJ
C912
C221
C913
Q911
RV911
APC ADJ
C933
C923
Q921
R921
C921
C931
C821
XF102
XF101
XF102A
C143
X101
SQ ADJ
RV131
CF101
L302
C331
C332
C333
L301
L109
L112
C167
D161
VCO_TP
C306
CT301
C210
X301
J102
J503
Q952
Q951
C954
C953
R952
R954
R951
R953

# TCB771

| NO | LEVEL | PART NUMBER | DESCRIPTION | QTY | LOCATION NO. |
|---|---|---|---|---|---|
| 1 | [ASS'Y] | 5A0-7702-000 | VOL. PCB ASS'Y - TCB771 | 1.00 | |
| 2 | [PART] | 425-0680-000 | COIL AXIAL 6.8UH AL0305 MATSUTA | 4.00 | L501 L502 L504 L506 |
| 3 | [PART] | 500-7702-100 | TCB771 VOL. PCB V 2.0A | 1.00 | |
| 4 | [PART] | 540-0607-000 | WIRE HARNESS PH-6PIN TO OPEN UL1007 NO.26 L=70mm | 1.00 | J502 |
| 5 | [PART] | 540-1605-000 | WIRE HARNESS PH-16PINx2 UL1007 #26 L=50mm FINE | 1.00 | J102 J102 |
| 6 | [PART] | 540-1618-000 | WAFER 16PIN PH-16A 180C FINE | 1.00 | J101 |
| 7 | [PART] | 541-0166-002 | CONNECTOR SOCKET FD-MIC6PIN-F NINGBO | 1.00 | J501 |
| 8 | [PART] | 547-0415-000 | HEAT SHRINK TUBE DIA4.0MM X 15MM | 6.00 | |
| 9 | [PART] | 560-1010-000 | SW ROTARY PS1210-KQ20A10-A20-102 CTR | 1.00 | SW811 |
| 10 | [PART] | 570-0901-001 | VR R09710NS-KQ15A6.0-A103-015 CTR | 2.00 | VR101 VR102 |
| 11 | [ASS'Y] | 5A0-7702-100 | LCD PCB ASS'Y - TCB771 | 1.00 | |
| 12 | [PART] | 142-102J-000 | CHIP RES. 0603 1KOHM +-5 PHILIPS | 1.00 | R810 |
| 13 | [PART] | 142-103J-000 | CHIP RES. 0603 10KOHM +-5 PHILIPS | 5.00 | R805 R806 R807 R811 R814 |
| 14 | [PART] | 142-104J-000 | CHIP RES. 0603 100KOHM +-5 PHILIPS | 1.00 | R804 |
| 15 | [PART] | 142-105J-000 | CHIP RES. 0603 1MOHM +-5 PHILIPS | 1.00 | R803 |
| 16 | [PART] | 142-222J-000 | CHIP RES. 0603 2.2KOHM +-5 PHILIPS | 6.00 | R04 R832 R833 R834 R835 R836 |
| 17 | [PART] | 142-224J-000 | CHIP RES. 0603 220KOHM +-5 PHILIPS | 1.00 | R808 |
| 18 | [PART] | 142-473J-000 | CHIP RES. 0603 47KOHM +-5 PHILIPS | 11.00 | R812 R816 R831 R851 R852 R853 R854 R857 R859 R862 R864 |
| 19 | [PART] | 212-103B-3K0 | CHIP CERAMIC CAP. 0603 0.01UF X7R 16V +-10 | 2.00 | C806 C807 |
| 20 | [PART] | 212-105F-3Z0 | CHIP CERAMIC CAP. 0603 1UF Y5V 16V -20+80 PHILIPS | 1.00 | C805 |
| 21 | [PART] | 212-680C-6J0 | CHIP CERAMIC CAP. 0603 68PF NP0 50V +-5 PHILIPS | 2.00 | C801 C802 |
| 22 | [PART] | 221-1064-M00 | CHIP TANTAL CAP. 10UF 16V A SIZE +-20 | 1.00 | C811 |
| 23 | [PART] | 305-0101-000 | CHIP TR KRC101S SOT-23 KEC | 1.00 | Q802 |
| 24 | [PART] | 305-0104-000 | CHIP TR KRC104S SOT-23 KEC | 1.00 | Q801 |
| 25 | [PART] | 305-9101-000 | CHIP TR KRA101S SOT-23 KEC | 1.00 | Q803 |
| 26 | [PART] | 323-8721-002 | IC CPU TMP87CM21CDFG-6U95 TOSHIBA | 1.00 | IC801 |
| 27 | [PART] | 338-2402-A00 | IC EEPROM FT24C02A FMD | 1.00 | IC802 |
| 28 | [PART] | 350-0603-000 | CHIP LED BLUE AOT-0603P-B01-V BLUEWIZ | 8.00 | D953 D954 D955 D957 D958 D959 D965 D966 |
| 29 | [PART] | 352-2299-000 | LCD SDM8A2299A SANTECH | 1.00 | LCD801 |
| 30 | [PART] | 363-0400-000 | CRYSTAL HC-49 / S 4.0MHZ 20P DTRON | 1.00 | X801 |
| 31 | [PART] | 500-7700-100 | PCB [ASS'Y]LAY VER.1.1 4LAYER CAPITAL | 1.00 | |
| 32 | [PART] | 500-7700-200 | PCB LED 1LAYER CAPITAL | 1.00 | |
| 33 | [PART] | 564-1109-100 | SWITCH TACT KFC-821 GABOU | 5.00 | SW801 SW802 SW806 SW807 SW808 |
| 34 | [PART] | 701-C7700-60A | DIFFUSER LENS ACRYL CLEAR | 1.00 | |
| 35 | [PART] | 701-C7700-70B | REFLECTOR ACRYL CLEAR *TOOL MODIFY* | 1.00 | |

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|---|---|---|---|---|---|
| 36 | [PART] | 702-C7700-50A | LCD BRACKET SPTE 0.3T DESHAN | 1.00 | |
| 37 | [PART] | 703-C7700-20A | ZEBRA SILICONE | 1.00 | |
| 38 | [PART] | 718-R000D-036 | EVA SPONGE-B 20X2.0X0.8T, BLACK | 2.00 | for LCD bracket |
| 39 | [PART] | 718-R000D-037 | EVA SPONGE-A 49X2.0X0.8T, BLACK | 2.00 | for LCD bracket |
| 40 | [PART] | 722-R0000-001 | WHITE SHEET POLYESTER 0.1T | 1.00 | |
| 41 | [ASS'Y] | 5A0-7702-300 | MAIN PCBA ASS'Y - TCB771 | 1.00 | |
| 42 | [PART] | 102-100J-S00 | FILM RES. 10OHM 0.5W +-5 ST | 1.00 | R921 |
| 43 | [PART] | 102-229J-S00 | FILM RES. 2.2OHM 0.5W +-5 ST | 1.00 | R712 |
| 44 | [PART] | 102-471J-S00 | FILM RES. 470OHM 0.5W +-5 ST | 2.00 | R953 R954 |
| 45 | [PART] | 102-472J-S00 | FILM RES. 4.7KOHM 0.5W +-5 ST | 1.00 | R713 |
| 46 | [PART] | 103-102J-S00 | FILM RES. 1KOHM 1W +-5 ST | 1.00 | R951 |
| 47 | [PART] | 103-561J-S00 | FILM RES. 560OHM 1W +-5 ST MINI | 1.00 | R952 |
| 48 | [PART] | 112-100J-S00 | METAL OXID RESISTOR 10OHM 2W +-5 ST | 1.00 | R208 |
| 49 | [PART] | 141-332J-000 | CHIP RES. 0402 3.3KOHM +-5 SAMSUNG_PHILIPS | 1.00 | R167 |
| 50 | [PART] | 142-000J-000 | CHIP RES. 0603 0OHM +-5 PHILIPS | 3.00 | R187 R201 R572 |
| 51 | [PART] | 142-010J-000 | CHIP RES. 0603 1OHM +-5 PHILIPS | 2.00 | R206 R706 |
| 52 | [PART] | 142-100J-000 | CHIP RES. 0603 10OHM +-5 PHILIPS | 2.00 | R133 R301 |
| 53 | [PART] | 142-101J-000 | CHIP RES. 0603 100OHM +-5 PHILIPS | 7.00 | R104 R109 R134 R168 R314 R401 R932 |
| 54 | [PART] | 142-102J-000 | CHIP RES. 0603 1KOHM +-5 PHILIPS | 17.00 | R164 R182 R183 R185 R200 R222 R234 R238 R308 R312 R321 R410 R501 R955 R956 R957 R958 |
| 55 | [PART] | 142-103J-000 | CHIP RES. 0603 10KOHM +-5 PHILIPS | 13.00 | R102 R123 R137 R157 R192 R211 R315 R412 R413 R414 R703 R823 R914 |
| 56 | [PART] | 142-104J-000 | CHIP RES. 0603 100KOHM +-5 PHILIPS | 9.00 | R140 R141 R159 R186 R188 R202 R233 R309 R311 |
| 57 | [PART] | 142-122J-000 | CHIP RES. 0603 1.2KOHM +-5 PHILIPS | 1.00 | R571 |
| 58 | [PART] | 142-152J-000 | CHIP RES. 0603 1.5KOHM +-5 PHILIPS | 4.00 | R302 R304 R742 R924 |
| 59 | [PART] | 142-153J-000 | CHIP RES. 0603 15KOHM +-5 PHILIPS | 4.00 | R155 R166 R235 R323 |
| 60 | [PART] | 142-154J-000 | CHIP RES. 0603 150KOHM +-5 PHILIPS | 2.00 | R189 R701 |
| 61 | [PART] | 142-183J-000 | CHIP RES. 0603 18KOHM +-5 PHILIPS | 1.00 | R417 |
| 62 | [PART] | 142-221J-000 | CHIP RES. 0603 220OHM +-5 PHILIPS | 2.00 | R169 R702 |
| 63 | [PART] | 142-222J-000 | CHIP RES. 0603 2.2KOHM +-5 PHILIPS | 13.00 | R108 R152 R203 R237 R307 R402 R817 R822 R912 R922 R923 R961 R01 |
| 64 | [PART] | 142-223J-000 | CHIP RES. 0603 22KOHM +-5 PHILIPS | 5.00 | R132 R162 R163 R175 R305 |
| 65 | [PART] | 142-224J-000 | CHIP RES. 0603 220KOHM +-5 PHILIPS | 2.00 | R171 R177 |
| 66 | [PART] | 142-225J-000 | CHIP RES. 0603 2.2MOHM +-5 PHILIPS | 1.00 | R153 |
| 67 | [PART] | 142-229J-000 | CHIP RES. 0603 2.2OHM +-5 PHILIPS | 2.00 | R204 R711 |
| 68 | [PART] | 142-272J-000 | CHIP RES. 0603 2.7KOHM +-5 PHIILIPS | 1.00 | R205 |
| 69 | [PART] | 142-273J-000 | CHIP RES. 0603 27KOHM +-5 PHILIPS | 3.00 | R103 R403 R416 |
| 70 | [PART] | 142-332J-000 | CHIP RES. 0603 3.3KOHM +-5 PHILIPS | 2.00 | R138 R191 |
| 71 | [PART] | 142-333J-000 | CHIP RES. 0603 33KOHM +-5 PHILIPS | 2.00 | R404 R407 |
| 72 | [PART] | 142-335J-000 | CHIP RES. 0603 3.3MOHM +-5 PHILIPS | 1.00 | R135 |
| 73 | [PART] | 142-391J-000 | CHIP RES. 0603 390OHM +-5 PHILIPS | 1.00 | R156 |

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|---|---|---|---|---|---|
| 74 | [PART] | 142-393J-000 | CHIP RES. 0603 39KOHM +-5 PHILIPS | 1.00 | R306 |
| 75 | [PART] | 142-470J-000 | CHIP RES. 0603 47OHM +-5 PHILIPS | 3.00 | R184 R705 R913 |
| 76 | [PART] | 142-471J-000 | CHIP RES. 0603 470OHM +-5 PHILIPS | 7.00 | R101 R105 R106 R165 R181 R236 R931 |
| 77 | [PART] | 142-472J-000 | CHIP RES. 0603 4.7KOHM +-5 PHILIPS | 8.00 | R161 R180 R223 R322 R324 R406 R704 R962 |
| 78 | [PART] | 142-473J-000 | CHIP RES. 0603 47KOHM +-5 PHILIPS | 10.00 | R139 R172 R174 R176 R300 R303 R316 R409 R411 R415 |
| 79 | [PART] | 142-474J-000 | CHIP RES. 0603 470KOHM +-5 PHILIPS | 2.00 | R405 R573 |
| 80 | [PART] | 142-562J-000 | CHIP RES. 0603 5.6KOHM +-5 PHILIPS | 1.00 | R408 |
| 81 | [PART] | 142-563J-000 | CHIP RES. 0603 56KOHM +-5 PHILIPS | 1.00 | R313 |
| 82 | [PART] | 142-822J-000 | CHIP RES. 0603 8.2KOHM +-5 SAMSUNG_PHILIPS | 1.00 | R915 |
| 83 | [PART] | 142-823J-000 | CHIP RES. 0603 82KOHM +-5 PHILIPS | 1.00 | R173 |
| 84 | [PART] | 162-104V-001 | TRIM. POTENTIOMETER WS0612-B104-000-G36 CTR | 2.00 | RV571 RV572 |
| 85 | [PART] | 162-222V-001 | TRIM. POTENTIOMETER WS0612-B222-000-G36 CTR | 1.00 | RV231 |
| 86 | [PART] | 162-223V-001 | TRIM. POTENTIOMETER WS0612-B223-000-G36 CTR | 1.00 | RV401 |
| 87 | [PART] | 162-472V-001 | TRIM. POTENTIOMETER WS0612-B472-000-G36 CTR | 2.00 | RV131 RV911 |
| 88 | [PART] | 172-101J-600 | NTC THERMISTOR 100OHM NCP18XF101J03RB MURATA | 1.00 | TH131 |
| 89 | [PART] | 172-103J-800 | NTC THERMISTOR 10KOHM NCP18XH103J03RB MURATA | 1.00 | TH101 |
| 90 | [PART] | 202-1059-M00 | ELECT CAP. 1UF KR1-16V010MA 5x11 DONGXIANG | 3.00 | C167 C407 C408 |
| 91 | [PART] | 202-1069-M00 | ELECT CAP. 10UF KR1-16V100MA 5x11 DONGXIANG | 8.00 | C208 C232 C331 C332 C333 C913 C921 C931 |
| 92 | [PART] | 202-1079-M00 | ELECT CAP. 100UF KR3-16V101MA 5x11 DONGXIANG | 3.00 | C143 C821 C923 |
| 93 | [PART] | 202-108E-M00 | ELECT CAP. 1000UF KR1-16V102MF 10x20 DONGXIANG | 4.00 | C207 C213 C217 C912 |
| 94 | [PART] | 202-2259-M00 | ELECT CAP. 2.2UF KR1-16V2R2MA 5x11 DONGXIANG | 1.00 | C741 |
| 95 | [PART] | 202-2269-M00 | ELECT CAP. 22UF KR1-16V220MA 5x11 DONGXIANG | 1.00 | C221 |
| 96 | [PART] | 202-2279-M00 | ELECT CAP. 220UF KR1-16V221MB 5x11 DONGXIANG | 3.00 | C210 C953 C954 |
| 97 | [PART] | 202-4759-M00 | ELECT CAP. 4.7UF KR1-16V4R7MA 5x11 DONGXIANG | 2.00 | C411 C960 |
| 98 | [PART] | 202-4769-M00 | ELECT CAP. 47UF KR1-16V470MA 5x11 DONGXIANG | 3.00 | C185 C233 C933 |
| 99 | [PART] | 205-1070-M00 | ELECT CAP. 100UF 50V 8X11.5 DONGXIANG | 1.00 | C904 |
| 100 | [PART] | 212-020C-6C0 | CHIP CERAMIC CAP. 0603 2PF NP0 50V +-0.25 PHILIPS | 1.00 | C730 |
| 101 | [PART] | 212-030C-6C0 | CHIP CERAMIC CAP. 0603 3PF NP0 50V +-0.25 PHILIPS | 1.00 | C319 |
| 102 | [PART] | 212-060C-6C0 | CHIP CERAMIC CAP. 0603 6PF NP0 50V +-0.25 PHILIPS | 2.00 | C317 C321 |
| 103 | [PART] | 212-080C-6C0 | CHIP CERAMIC CAP. 0603 8PF NP0 50V +-0.25 PHILIPS | 1.00 | C326 |
| 104 | [PART] | 212-100C-6J0 | CHIP CERAMIC CAP. 0603 10PF NP0 50V +-5 PHILIPS | 5.00 | C96 C110 C113 C324 R107 |
| 105 | [PART] | 212-101C-6J0 | CHIP CERAMIC CAP. 0603 100PF NP0 50V +-5 PHILIPS | 12.00 | C101 C105 C109 C303 C304 C305 C313 C314 C711 C712 C731 C733 |
| 106 | [PART] | 212-102B-3K0 | CHIP CERAMIC CAP.0603 0.001UF X7R 16V +-10 | 1.00 | C230 |
| 107 | [PART] | 212-103B-3K0 | CHIP CERAMIC CAP. 0603 0.01UF X7R 16V +-10 | 37.00 | C111 C114 C115 C116 C117 C118 C153 C154 C156 C157 C161 C162 C183 C184 C201 C231 C234 C235 C323 C412 C415 C501 C502 C503 C504 C506 C703 C704 C708 C713 C901 C902 C903 C911 C922 C924 C932 |
| 108 | [PART] | 212-104B-3K0 | CHIP CERAMIC CAP.0603 0.1UF X7R 16V +-10 PHILIPS | 23.00 | C122 C123 C132 C134 C135 C137 C138 C168 C169 C180 C181 C186 C211 C236 C309 C322 C325 C401 C402 C405 C413 C571 C573 |
| 109 | [PART] | 212-104B-6K0 | CHIP CERAMIC CAP.0603 0.1UF X7R 50V +-10 PHILIPS | 1.00 | C404 |

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|---|---|---|---|---|---|
| 110 | [PART] | 212-105F-3Z0 | CHIP CERAMIC CAP. 0603 1UF Y5V 16V -20+80 PHILIPS | 2.00 | C159 C961 |
| 111 | [PART] | 212-150C-6J0 | CHIP CERAMIC CAP. 0603 15PF NP0 50V +-5 PHILIPS | 1.00 | C119 |
| 112 | [PART] | 212-151C-6J0 | CHIP CERAMIC CAP. 0603 150PF NP0 50V +-5 PHILIPS | 4.00 | C102 C104 C106 C311 |
| 113 | [PART] | 212-160C-6J0 | CHIP CERAMIC CAP. 0603 16PF NP0 50V +-5 PHILIPS | 1.00 | C316 |
| 114 | [PART] | 212-180C-6J0 | CHIP CERAMIC CAP. 0603 18PF NP0 50V +-5 PHILIPS | 3.00 | C98 C99 C112 |
| 115 | [PART] | 212-181C-6J0 | CHIP CERAMIC CAP. 0603 180PF NP0 50V +-5 PHILIPS | 2.00 | C701 C734 |
| 116 | [PART] | 212-220C-6J0 | CHIP CERAMIC CAP. 0603 22PF NP0 50V +-5 PHILIPS | 1.00 | C312 |
| 117 | [PART] | 212-221C-6J0 | CHIP CERAMIC CAP. 0603 220PF NP0 50V +-5 PHILIPS | 4.00 | C329 C717 C719 C724 |
| 118 | [PART] | 212-223B-3K0 | CHIP CERAMIC CAP. 0603 0.022UF X7R 16V +-10 PHILIP | 5.00 | C166 C203 C214 C238 C403 |
| 119 | [PART] | 212-223C-6J0 | CHIP CERAMIC CAP. 0603 0.022UF NP0 50V +-5 PHILIP | 3.00 | C158 C166 C172 |
| 120 | [PART] | 212-224B-3K0 | CHIP CERAMIC CAP. 0603 0.22UF X7R 16V +-10 PHILIPS | 1.00 | C140 |
| 121 | [PART] | 212-300C-6J0 | CHIP CERAMIC CAP. 0603 30PF NP0 50V +-5 PHILIPS | 1.00 | C315 |
| 122 | [PART] | 212-330C-6J0 | CHIP CERAMIC CAP. 0603 33PF NP0 50V +-5 PHILIPS | 3.00 | C108 C302 C318 |
| 123 | [PART] | 212-331C-6J0 | CHIP CERAMIC CAP. 0603 330PF NP0 50V +-5 PHILIPS | 6.00 | C714 C715 C723 C725 C726 C729 |
| 124 | [PART] | 212-390C-6J0 | CHIP CERAMIC CAP. 0603 39PF NP0 50V +-5 PHILIPS | 1.00 | C700 |
| 125 | [PART] | 212-470C-6J0 | CHIP CERAMIC CAP. 0603 47PF NP0 50V +-5 PHILIPS | 6.00 | C103 C107 C182 C328 C720 C722 |
| 126 | [PART] | 212-471C-6J0 | CHIP CERAMIC CAP. 0603 470PF NP0 50V +-5 PHILIPS | 1.00 | C718 |
| 127 | [PART] | 212-473B-3K0 | CHIP CERAMIC CAP. 0603 0.047UF X7R 16V +-10 | 8.00 | C152 C163 C164 C165 C306 C310 C721 C914 |
| 128 | [PART] | 212-474B-3K0 | CHIP CERAMIC CAP. 0603 0.47UF X7R 16V +-10 | 1.00 | C301 |
| 129 | [PART] | 212-474B-6K0 | CHIP CERAMIC CAP. 0603 0.47UF X7R 50V +-10 | 1.00 | C212 |
| 130 | [PART] | 212-560C-6J0 | CHIP CERAMIC CAP. 0603 56PF NP0 50V +-5 PHILIPS | 1.00 | C130 |
| 131 | [PART] | 212-680C-6J0 | CHIP CERAMIC CAP. 0603 68PF NP0 50V +-5 PHILIPS | 4.00 | C97 C131 C727 C732 |
| 132 | [PART] | 212-681C-6J0 | CHIP CERAMIC CAP. 0603 680PF NP0 50V +-5 PHILIPS | 1.00 | C414 |
| 133 | [PART] | 212-683B-6K0 | CHIP CERAMIC CAP. 0603 0.068UF X7R 16V +-10 PHILIP | 1.00 | C410 |
| 134 | [PART] | 212-820C-6J0 | CHIP CERAMIC CAP. 0603 82PF NP0 50V +-5 PHILIPS | 2.00 | C406 C707 |
| 135 | [PART] | 22C-101C-J00 | DISK CAP. 100PF 25V +-5 | 1.00 | C735 |
| 136 | [PART] | 22D-470C-J00 | DISK CAP. 47PF 50V +-5 | 1.00 | C735A |
| 137 | [PART] | 230-2000-000 | DIP TRIMMER CAP. 6DIA 20PF KCVN620 FOKITS | 1.00 | CT301 |
| 138 | [PART] | 300-1504-000 | CHIP TR KTA1504S SOT-23 KEC | 4.00 | Q164 Q233 Q912 Q924 |
| 139 | [PART] | 300-3875-000 | CHIP TR. SWITCHING KTC3875S SOT-23 KEC | 9.00 | Q151 Q181 Q182 Q183 Q185 Q234 Q742 Q923 Q931 |
| 140 | [PART] | 300-3880-000 | CHIP TR KTC3880S SOT-23 KEC | 8.00 | Q101 Q161 Q162 Q301 Q302 Q303 Q701 Q702 |
| 141 | [PART] | 301-0211-000 | CHIP TR 2SK211-Y TOSHIBA | 2.00 | Q102 Q103 |
| 142 | [PART] | 302-1006-000 | TR KTC1006 KEC | 1.00 | Q703 |
| 143 | [PART] | 302-1241-000 | TRANSISTOR KTA1241 KEC | 3.00 | Q221 Q951 Q952 |
| 144 | [PART] | 302-2078-000 | TR 2SC2078E SANYO | 1.00 | Q704 |
| 145 | [PART] | 302-3205-000 | TR. DIP TYPE KTC3205 KEC | 1.00 | Q921 |
| 146 | [PART] | 305-0101-000 | CHIP TR KRC101S SOT-23 KEC | 10.00 | Q104 Q105 Q153 Q222 Q305 Q311 Q312 Q313 Q401 Q402 Q953 Q954 |
| 147 | [PART] | 305-0102-000 | CHIP TR KRC102S SOT-23 KEC | 1.00 | Q914 |

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| 148 | [PART] | 305-0110-000 | CHIP TR KRC110S SOT-23 KEC | 2.00 | Q184 Q961 |
| 149 | [PART] | 305-0111-000 | CHIP TR KRC111S SOT-23 KEC | 3.00 | Q202 Q502 Q962 |
| 150 | [PART] | 305-0112-000 | CHIP TR KRC112S SOT-23 KEC | 4.00 | Q122 Q152 Q154 Q913 |
| 151 | [PART] | 305-9102-000 | CHIP TR KRA102S SOT-23 KEC | 1.00 | Q163 |
| 152 | [PART] | 311-1962-000 | POWER FET KTA1962 A-O-U / P KEC | 1.00 | Q911 |
| 153 | [PART] | 331-0358-A00 | IC OP AMP KIA358F KEC | 1.00 | IC102 |
| 154 | [PART] | 331-4558-A00 | IC OP AMP KIA4558F KEC | 1.00 | IC401 |
| 155 | [PART] | 332-2003-000 | IC AUDIO AMP TDA2003 ST | 1.00 | IC201 |
| 156 | [PART] | 335-7152-A00 | IC PLL LC7152NM SANYO | 1.00 | IC301 |
| 157 | [PART] | 336-5019-A00 | IC IF SL5019 AUK | 1.00 | IC101 |
| 158 | [PART] | 340-0051-A00 | CHIP DIODE ZENER (ESC) KDZ5.1EV KEC | 1.00 | DZ181 |
| 159 | [PART] | 340-0056-A00 | CHIP DIODE ZENER (ESC) KDZ5.6EV KEC | 1.00 | DZ931 |
| 160 | [PART] | 340-0082-A00 | CHIP DIODE ZENER (ESC) KDZ8.2EV KEC | 1.00 | DZ921 |
| 161 | [PART] | 341-0251-A00 | DIODE VARICAP KDV251S SOT-23 KEC | 2.00 | D301 D302 |
| 162 | [PART] | 342-0181-A00 | CHIP DIODE SWITCHING KDS181 SOT-23 KEC | 1.00 | D401 |
| 163 | [PART] | 342-0184-A00 | CHIP DIODE SWITCHING KDS184 SOT-23 KEC | 14.00 | D102 D103 D105 D171 D180 D181 D182 D233 D571 D572 D741 D742 D921 D961 |
| 164 | [PART] | 342-0226-A00 | CHIP DIODE SWITCHING KDS226 SOT-23 KEC | 1.00 | D101 |
| 165 | [PART] | 342-1114-A00 | CHIP DIODE SWITCHING KDS114 KEC | 1.00 | D303 |
| 166 | [PART] | 342-5822-000 | DIP SCHOTTKY DIODE 1N5822 ONSEMI | 1.00 | D900 |
| 167 | [PART] | 343-1060-000 | DIODE 1N60 | 1.00 | D161 |
| 168 | [PART] | 343-4004-000 | DIODE 1N4004TR 400V 1A | 1.00 | D232 |
| 169 | [PART] | 343-5402-000 | DIODE 1N5402 | 1.00 | D901 |
| 170 | [PART] | 360-1024-000 | CRYSTAL 10.24MHZ 32PF 30PPM HC-49U DTRON | 1.00 | X101 |
| 171 | [PART] | 363-0045-000 | CRYSTAL 4.5MHZ, HC-49S R49SDA-004500-FA-12-30-TA | 1.00 | X301 |
| 172 | [PART] | 367-1060-200 | CRYSTAL FILTER 10.695MHZ 49T-3L 10L08A DTRON | 1.00 | XF101 |
| 173 | [PART] | 373-0455-400 | CERAMIC FILTER LTW33-455HT CQ | 1.00 | CF101 |
| 174 | [PART] | 400-0019-000 | TRANSFORMER CHOCK T1 EI-19 FINE | 1.00 | T901 |
| 175 | [PART] | 400-0024-000 | TRANSFORMER EI-24(MOD) T2 FINE | 1.00 | T201 |
| 176 | [PART] | 406-2508-000 | COIL SPRING 2.5X0.8X7T : R 0.11UH FINE | 1.00 | L704 |
| 177 | [PART] | 406-4005-000 | COIL SPRING 4X0.5X6T : R FINE | 1.00 | L712 |
| 178 | [PART] | 406-4005-100 | COIL SPRING 4X0.5X7T : R FINE | 1.00 | L713 |
| 179 | [PART] | 406-4005-200 | COIL SPRING 4X0.5X10T : R FINE | 1.00 | L714 |
| 180 | [PART] | 406-5006-000 | COIL SPRING 5X0.6X13.5T : R 0.5UH FINE | 1.00 | L707 |
| 181 | [PART] | 406-6008-000 | COIL SPRING 6X0.8X5T : R 0.225UH FINE | 1.00 | L711 |
| 182 | [PART] | 410-0270-000 | IFT COIL RF FREE TX 27MHZ TX1 FINE | 2.00 | L701 L702 |
| 183 | [PART] | 410-0272-000 | IFT COIL 27MHZ RX (7RC) RX2 FINE | 1.00 | L107 |
| 184 | [PART] | 410-0273-000 | IFT COIL 27MHZ RX1(Wire Diameter : Φ0.1) FINE | 1.00 | L101 |
| 185 | [PART] | 410-0370-000 | IFT COIL 37MHZ TX TX2 FINE | 1.00 | L703 |

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| 186 | [PART] | 410-1070-000 | IFT COIL 10.7MHZ RX-B RX3 FINE | 1.00 | L108 |
| 187 | [PART] | 410-1500-000 | IFT COIL 15MHZ TXRX VCO2 FINE | 1.00 | L302 |
| 188 | [PART] | 410-1650-000 | IFT COIL 16.5MHZ VCO VCO1 FINE | 1.00 | L301 |
| 189 | [PART] | 410-4550-000 | IFT COIL DETECTOR 455KHZ RX4 FINE | 1.00 | L109 |
| 190 | [PART] | 410-4551-000 | IFT COIL 455KHZ-B RX5 FINE | 1.00 | L112 |
| 191 | [PART] | 425-0150-000 | COIL AXIAL 1.5UH AL0305 MATSUTA | 1.00 | L102 |
| 192 | [PART] | 425-0180-000 | COIL AXIAL 1.8UH AL0305 MATSUTA | 1.00 | L106 |
| 193 | [PART] | 425-0680-000 | COIL AXIAL 6.8UH AL0305 MATSUTA | 1.00 | L706 |
| 194 | [PART] | 427-0017-000 | CORE SPRING 5.5TX0.45XM5ERX2.3 0.17UH FINE | 3.00 | L103 L104 L105 |
| 195 | [PART] | 427-0600-000 | COIL CHOCK 6UH BOBBIN CORE | 1.00 | L201 |
| 196 | [PART] | 500-7700-300 | PCB MAIN VER.2.0C 4LAYER | 1.00 | |
| 197 | [PART] | 534-2500-100 | JACK MINI PJ-206 GABOU | 1.00 | J203 |
| 198 | [PART] | 535-3500-200 | JACK DC PJ-625B GABOU | 1.00 | J202 |
| 199 | [PART] | 540-0218-000 | WAFER 2PIN PH-2A 180C FINE | 1.00 | J205 |
| 200 | [PART] | 540-0618-000 | WAFER 6PIN PH-6A 180C | 1.00 | J503 |
| 201 | [PART] | 540-1618-000 | WAFER 16PIN PH-16A 180C FINE | 1.00 | J102 |
| 202 | [PART] | 547-0825-000 | WIRE STRIP D0.8 L25MM | 1.00 | JP1 |
| 203 | [PART] | 702-C7700-60A | TX SHIELD CAN(1) SPTE 0.3T DESHAN | 1.00 | For Main PCB(location: lower) |
| 204 | [PART] | 702-C7700-80A | VCO SHIELD CAN SPTE 0.3T DESHAN | 1.00 | For Vco |
| 205 | [PART] | 702-C7701-40A | TX SHIELD CAN(2) SPTE 0.3T BONSO | 1.00 | For Main PCB(location: upper) |
| 206 | [PART] | 702-C7701-50A | SHIELD COVER SPTE 0.3T BONSO | 1.00 | For TX shield can(2) |
| 207 | [ASS'Y] | 5A3-7702-006 | TCB771 DSS PCB ASS'Y(DSS-001) | 1.00 | |
| 208 | [PART] | 142-101J-000 | CHIP RES. 0603 100OHM +-5 PHILIPS | 1.00 | R500 |
| 209 | [PART] | 142-222J-000 | CHIP RES. 0603 2.2KOHM +-5 PHILIPS | 1.00 | R511 |
| 210 | [PART] | 142-223J-000 | CHIP RES. 0603 22KOHM +-5 PHILIPS | 1.00 | R502 |
| 211 | [PART] | 142-473J-000 | CHIP RES. 0603 47KOHM +-5 PHILIPS | 5.00 | R509 R512 R513 R515 R516 |
| 212 | [PART] | 142-564J-000 | CHIP RES. 0603 560KOHM +-5 PHILIPS | 2.00 | R504 R508 |
| 213 | [PART] | 166-474J-000 | TRIM. POTENTIOMETER 470KB TMC3KJ0B0470KTR NOBLE | 1.00 | RV501 |
| 214 | [PART] | 212-103B-3K0 | CHIP CERAMIC CAP. 0603 0.01UF X7R 16V +-10 | 1.00 | C505 |
| 215 | [PART] | 212-104B-3K0 | CHIP CERAMIC CAP.0603 0.1UF X7R 16V +-10 PHILIPS | 4.00 | C501 C509 C512 C513 |
| 216 | [PART] | 212-105A-2K0 | CHIP CERAMIC CAP. 0603 1UF X5R 10V +-10 | 1.00 | C511 |
| 217 | [PART] | 212-222B-3K0 | CHIP CERAMIC CAP. 0603 0.0022UF X7R 16V +-10 PHILI | 1.00 | C504 |
| 218 | [PART] | 212-330C-6J0 | CHIP CERAMIC CAP. 0603 33PF NP0 50V +-5 PHILIPS | 2.00 | C507 C508 |
| 219 | [PART] | 212-331B-6K0 | CHIP CERAMIC CAP. 0603 330PF X7R 50V +-10 PHILIPS | 1.00 | C506 |
| 220 | [PART] | 212-333B-3K0 | CHIP CERAMIC CAP.0603 0.033UF X7R 16V +-10 PHILIPS | 1.00 | C502 |
| 221 | [PART] | 212-472B-3K0 | CHIP CERAMIC CAP.0603 0.0047UF X7R 16V+-10 PHILIP | 1.00 | C503 |
| 222 | [PART] | 221-1064-M00 | CHIP TANTAL CAP. 10UF 16V A SIZE +-20 | 1.00 | C500 |
| 223 | [PART] | 221-4744-M00 | CHIP TANTAL CAP. 0.47UF 16V A SIZE +-20 | 1.00 | C510 |

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| 224 | [PART] | 300-3875-000 | CHIP TR. SWITCHING KTC3875S SOT-23 KEC | 1.00 | Q501 |
| 225 | [PART] | 331-0358-A00 | IC OP AMP KIA358F KEC | 1.00 | IC501 |
| 226 | [PART] | 342-0226-A00 | CHIP DIODE SWITCHING KDS226 SOT-23 KEC | 1.00 | D501 |
| 227 | [PART] | 500-7702-000 | DSS-001, 002 PCB | 1.00 | |
| 228 | [PART] | 545-0260-200 | WIRE UL1007 / AWG26 BLACK 40mm 3 : 3 | 1.00 | |
| 229 | [PART] | 545-0261-200 | WIRE UL1007 / AWG26 RED 40mm 3 : 3 | 1.00 | |
| 230 | [PART] | 545-0263-000 | WIRE UL1007 / AWG26 YELLOW 40mm 3 : 3 | 1.00 | |
| 231 | [PART] | 545-0269-000 | WIRE UL1007 / AWG26 WHITE 40mm 3 : 3 | 1.00 | |
| 232 | [PART] | 718-R000D-050 | CUSHION EVA SPONGE 16X22X3.0T 3M DOUBLE SIDE TAPE | 1.00 | |
| 233 | [ASS'Y] | 700-C71BE-A00 | ESCUTCHEON ASS'Y - TCB771B | 1.00 | |
| 234 | [PART] | 701-C71B0-10B | ESCUTCHEON ABS. BLACK | 1.00 | FRONT CASE PLASTIC |
| 235 | [PART] | 701-C7700-20A | BEZEL ACRYL CLEAR | 1.00 | |
| 236 | [PART] | 701-C7700-50A | CH KNOB ABS(BLACK COLOR) | 1.00 | For Channel |
| 237 | [PART] | 701-C7700-80A | WINDOW ACRYL CLEAR | 1.00 | |
| 238 | [PART] | 701-C7700-90A | ILLUMINATOR ACRYL CLEAR | 1.00 | For Rf & On/Off & Channel |
| 239 | [PART] | 701-C88B0-20A | SQ KNOB ABS BLACK SPRAY | 2.00 | |
| 240 | [PART] | 702-C7700-40A | D-SPRING SK5 0.2T ZN PLATING (WHITE) TTI | 2.00 | For Rf & On/Off |
| 241 | [PART] | 703-C7700-10A | KEYPAD SILICONE CLEAR PU COATING | 1.00 | |
| 242 | [PART] | 706-2605S-NFH | SCREW MACH(+) M2.6X5L Ni PLATED FH | 4.00 | Esc+Main body mounting |
| 243 | [PART] | 708-26082-NBH | SCREW TAP(+) 2.6X8L-2S NI PLATING BH | 5.00 | 2pc:illuminator mounting, 3pc:Key PCB mounting |
| 244 | [PART] | 712-M70NI-001 | RING NUT BsBm Ni PLATING | 3.00 | For Channel, Rf, On/Off |
| 245 | [PART] | 719-R000D-003 | DOUBLE TAPE FOR BEZEL-1 23X1.1X0.16T | 1.00 | For Bezel |
| 246 | [PART] | 719-R000D-004 | DOUBLE SIDE TAPE FOR DIFFUSER 29X3.5X0.2T | 1.00 | For diffuser |
| 247 | [PART] | 719-S000D-001 | DOUBLE TAPE FOR BEZEL 3M 0.16T | 1.00 | FOR Bezel |
| 248 | [PART] | 719-S000D-002 | DOUBLE TAPE FOR WINDOW 3M 0.16T | 1.00 | For Window |
| 249 | [ASS'Y] | 700-C770C-A00 | TCB770 COVER ASS'Y | 1.00 | |
| 250 | [PART] | 520-6600-000 | SPEAKER 66mm 66AR000-8P-4K11 ASAHI | 1.00 | SKP201 |
| 251 | [PART] | 540-0220-000 | WIRE HARNESS PH-2PIN TO OPEN UL 1007 NO26 L200mm | 1.00 | J204 |
| 252 | [PART] | 702-C7700-10A | BOTTOM COVER SPC+BLACK COATING 0.75T DESHAN | 1.00 | |
| 253 | [PART] | 702-C7700-20B | UPPER COVER BLACK COLOR TTI CB TRANSCEIVER SILK | 1.00 | |
| 254 | [PART] | 702-C7700-30A | BRACKET SPK EGI 1.0T COATING DESHAN | 3.00 | For speaker |
| 255 | [PART] | 706-3008T-BBH | SCREW MACH(+) 3X8L-TAPTITE BLACK BH | 9.00 | Bracket(spk) mounting(3pcs) Main body + Bottom & upper cover mounting(6pcs) |
| 256 | [PART] | 715-C650N-001 | FELT (SPK) D65X0.3T BLACK | 1.00 | For speaker |
| 257 | [PART] | 715-R000D-002 | FELT (COVER) 8X133X0.3T BLACK | 4.00 | For bottom cover & upper cover adhesive(location: side) |
| 258 | [PART] | 718-R000D-001 | CUSHION 20X24X4.0T EVA SPONGE BLACK | 1.00 | For upper cover adhesive(location: center) |
| 259 | [ASS'Y] | 700-C771M-B00 | TCB771 MAIN BODY ASS'Y | 1.00 | |
| 260 | [PART] | 541-0239-002 | CONNECTOR FD-ANT-1 NINGBO | 1.00 | J701 |
| 261 | [PART] | 543-0200-001 | POWER CORD 2PIN PLUG ASS'Y AWG#20 BSQ | 1.00 | J900 |

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| 262 | [PART] | 701-C5500-70A | CORD STOPPER PP BLACK | 1.00 | Wire stopper |
| 263 | [PART] | 701-C5500-80A | BUSH NYLON66+GRASS 15% | 1.00 | For TR |
| 264 | [PART] | 702-C7701-20A | MAIN BODY EGI 1.0T | 1.00 | |
| 265 | [PART] | 702-C7701-30A | ANT. TERMINAL SPTE 0.2T | 1.00 | For Antenna |
| 266 | [PART] | 706-3008T-BBH | SCREW MACH(+) 3X8L-TAPTITE BLACK BH | 4.00 | Main PCB + Main body mounting |
| 267 | [PART] | 706-3010S-BBH | SCREW MACH(+) M3X10L BLACK BH | 3.00 | TR mounting |
| 268 | [PART] | 711-M30NI-000 | NUT M3 Ni PLATED | 3.00 | TR mounting |
| 269 | [PART] | 713-M30NI-S01 | SPRING WASHER M3 | 3.00 | TR mounting |
| 270 | [PART] | 718-R000D-050 | CUSHION EVA SPONGE 16X22X3.0T 3M DOUBLE SIDE TAPE | 1.00 | On the DSS PCB |
| 271 | [PART] | 719-R000D-005 | CU TAPE-1 CU 49x9x0.1T | 1.00 | |
| 272 | [PART] | 719-R000D-006 | CU TAPE-2 CU 77X15X0.1T | 1.00 | |
| 273 | [PART] | 723-C71B0-025 | MICA SHEET L23XW17.5XT0.4MM | 1.00 | For A1962A |
| 274 | [PART] | 723-C7700-001 | MICA 0.6T | 1.00 | For TR |
| 275 | [ASS'Y] | 8A0-C771-000 | PACKING ASS'Y - TCB771 | 1.00 | |
| 276 | [PART] | 543-0201-001 | POWER CORD 2PIN RECEPTACLE ASSY AWG20 2A BSQ | 1.00 | |
| 277 | [PART] | 701-C7701-80A | STUD BOLT ABS M6X8L BLACK | 2.00 | |
| 278 | [PART] | 702-C7701-00A | BRACKET SET DESHAN | 1.00 | |
| 279 | [PART] | 702-C7701-10A | BRACKET MIC SUS304 1.0T | 1.00 | |
| 280 | [PART] | 703-C7700-50A | PACKING RUBBER | 2.00 | |
| 281 | [PART] | 706-3008T-BBH | SCREW MACH(+) 3X8L-TAPTITE BLACK BH | 2.00 | |
| 282 | [PART] | 708-50121-ZTH | SCREW TAP(+) 5X12L-1S ZN PLATING TH | 3.00 | |
| 283 | [PART] | 714-M30NI-001 | STAR WASHER-S M3 NI PLATING B TYPE | 2.00 | |
| 284 | [PART] | 714-M50NI-002 | STAR WASHER-L M5 NI PLATING B TYPE | 3.00 | |
| 285 | [PART] | 801-C771-000 | GIFTBOX SW1E 2.0T - TCB770 REV.01 | 1.00 | |
| 286 | [PART] | 804-C770-001 | INNER BOX A SW1E 2.0T BROWN | 1.00 | |
| 287 | [PART] | 804-C770-002 | INNER BOX B SW1E 2.0T BROWN | 1.00 | |
| 288 | [PART] | 807-C770-000 | INNER PAD FOR INNER BOX A | 1.00 | |
| 289 | [PART] | 809-C771-000 | OUTBOX DW1E 7.0T | 0.10 | |
| 290 | [PART] | 817-0520-000 | POLYBAG PE 50X200 | 1.00 | |
| 291 | [PART] | 817-0810-000 | POLYBAG PE 80X100 | 2.00 | |
| 292 | [PART] | 817-2230-000 | POLYBAG PE 220X300 | 1.00 | |
| 293 | [PART] | 820-C771-002 | MANUAL(Rev.02)7Language_120Page(CRT manual Insert) | 1.00 | |
| 294 | [PART] | 830-C771-000 | NAME LABEL | 1.00 | for radio |
| 295 | [PART] | 833-C771-000 | CODE 39 SERIAL NO. STICKER | 2.00 | |
| 296 | [PART] | 834-0001-000 | WARNING LABEL | 1.00 | |
| 297 | [PART] | 834-0002-000 | ROHS STICKER - TTI | 1.10 | |
| 298 | [PART] | 834-0004-000 | COLOR TYPE STICKER B | 1.00 | |
| 299 | [PART] | 834-ROTE-R00 | ROSTEST MARK STICKER | 2.00 | |

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| 300 | [PART] | 835-C771-000 | INTERLEAVED-25 BARCODE STICKER ： 64X40mm | 0.10 | FOR OUTER CARTON |
| 301 | [PART] | 837-0001-000 | OPP TAPE 50MM TTI LOGO | 0.29 | |
| 302 | [PART] | 838-0001-000 | YELLOW STRAP | 0.26 | 0.26m/ctn |
| 303 | [PART] | 905-C880-000 | CB MICROPHONE ASS'Y(AMC-5021) | 1.00 | |